WHAT IS CLAIMED IS:

1. A method for distinguishing between device types in a wireless local area network (WLAN) in order to provide additional services to one type of device, the method comprising:

 obtaining a device type for a terminal in a wireless local area network; and

 providing device type-specific services to the terminal if the terminal is a first device type.

2. The method claim 1, wherein obtaining a device type for the terminal comprises fetching a device type associated with the terminal from a device profile.

3. The method of claim 2, wherein the device profile is stored in memory at a WLAN access point.

4. The method of claim 1, wherein obtaining a device type for the terminal comprises identifying if the terminal uses a power save mode.

5. The method of claim 1, wherein obtaining a device type for the terminal comprises retrieving static information in a user database used in the authentication procedure.

6. The method of claim 1, wherein obtaining a device type for the terminal comprises receiving the device type during the authentication procedure for the terminal.

7. The method of claim 1, further comprising:

 requesting identity of a terminal in a wireless local area network (WLAN) system;

 receiving a response to the identity request;

 authenticating the terminal based on the received response to the identity request;

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8.   The method of claim 7, wherein the authentication procedure comprises the Extensible Authentication Protocol (EAP).

9.   The method of claim 7, wherein the authentication procedure comprises the Remote Authentication Dial-In User Service (RADIUS).

10.   The method of claim 1, further comprising forcing the terminal into an unauthorized state which allows the terminal to only send an Extensible Authentication Protocol (EAP) start message.

11.   The method of claim 1, wherein obtaining a device type for the terminal comprises detecting the device type from a propagation and signal information from the terminal.

12.   The method of claim 1, wherein obtaining a device type for a terminal comprises receiving a signal initiated by the terminal, wherein the signal provides device type information.

13.   The method of claim 1, further comprising utilizing a plug-in module to enhance the ability to determine whether the terminal is a stationary device or a mobile device.

14.   The method of claim 13, wherein the plug-in module comprises any one of an 802.1X plug-in, a signal strength and delay plug-in, and a power saving plug-in.

15.   A system for determining device types and providing services for the device types, the system comprising:

a supplicant node coupled to a wireless local area network (WLAN); and

an access point associated with the WLAN, the access point determining what device type the supplicant node is, wherein the access point provides different services to the supplicant node if it is a first device type.

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1   16.   The system of claim 15, wherein the access point comprises node
2   profiles including information on which nodes in the WLAN are devices are mobile
3   devices and which nodes in the WLAN are stationary devices.

1   17.   The system of claim 15, wherein the access point determines what
2   type of device the supplicant node is during the authentication process by which the
3   supplicant node authenticates itself.

1   18.   The system of claim 15, wherein the access point determines what
2   type of device the supplicant node is by identifying if the supplicant node uses a
3   power save mode.

1   19.   A system for communication in a wireless local area network (WLAN)
2   in which a WLAN access point distinguishes between different device types to
3   provide additional services to one type of device, the system comprising:
4   means for obtaining a device type for the terminal; and
5   means for providing device type specific services to the terminal if the
6   terminal is a first device type.

1   20.   The system of claim 19, further comprising:
2   means for requesting identity of a terminal in a wireless local area
3   network (WLAN) system;
4   means for receiving a response to the identity request;
5   means for authenticating the terminal based on the received response
6   to the identity request;

1   21.   The system of claim 19, wherein the device type is contained in a node
2   profile at an access point in the WLAN system.

1   22.   The system of claim 19, wherein the specific services to the terminal
2   comprise multicast filtering.

1   23.   The system of claim 22, wherein the multicast filtering is provided to
2   protect devices from Universal Plug and Play (UPnP) messages.

1 24. The system of claim 19, further comprising means for forcing the
2 terminal into an unauthorized state which allows the terminal to only send an
3 Extensible Authentication Protocol (EAP) start message.

1 25. The system of claim 19, wherein means for obtaining a device type for
2 the terminal comprises means for identifying if the terminal uses a power save mode.

1 26. The system of claim 19, wherein means for obtaining a device type for
2 the terminal comprises means for receiving the device type during the authentication
3 procedure for the terminal.

1 27. A method for device type differentiation in a wireless local area network
2 (WLAN) access point, the method comprising:

3 obtaining a terminal device type corresponding to a terminal in the wireless
4 area network; and

5 providing services specific to the terminal device type to the terminal.

1 28. The method of claim 27, wherein the terminal device type is stored in a
2 node profile in the WLAN access point.

1 29. A wireless local area network (WLAN) access point that provides
2 device type differentiation, the access point comprising:

3 means for obtaining a terminal device type corresponding to a terminal in the
4 wireless area network; and

5 means for providing services specific to the terminal device type to the
6 terminal.

1 30. The access point of claim 29, further comprising means for utilizing a
2 plug-in module to enhance the ability to determine whether the terminal is a
3 stationary device or a mobile device.

1   31.   The access point of claim 30, wherein the plug-in module comprises
2   any one of an 802.1X plug-in, a signal strength and delay plug-in, and a power
3   saving plug-in.

1   32.   The access point of claim 29, further comprising means for
2   authenticating the terminal.

1   33.   The access point of claim 29, further comprising node profiles
2   containing terminal device type information.